



OFFICE OF THE GOVERNOR
NEVADA STATE OFFICE OF ENERGY

Revision No. 30

NSOE MILESTONE MINDER

American Reinvestment & Recovery Act (ARRA) and Other Programs Updated 7/7/10

The Nevada State Office of Energy ("NSOE") is the recipient agency for the U.S. Department of Energy ("DOE"), Office of Energy Efficiency and Renewable Energy grants for the State Energy Program ("SEP") Formula Grant, the SEP ARRA, the Energy Efficiency and Conservation Block Grant, State Energy Efficient Appliance Rebate Program and Energy Assurance Planning in the State of Nevada. The office has received four awards under the provisions of the ARRA. Following is an overview of each program along with timelines, milestones accomplished and jobs created/retained. Additional sections on a multi-agency solar RFP and funding opportunities follow.

The NSOE acknowledges that the number of jobs anticipated to be created prior to the start of a project and what is actually created will differ because the formulas used to derive the data are different. For instance, the number of jobs anticipated to be created and/or retained under the EECBG grant is a metric solely derived from the mandated U.S. DOE formula which uses the amount of funding allocated to a specific activity. However, this formula is used solely as a predictive tool and does not provide a guarantee of the actual number jobs that will be created or retained. Conversely, the U.S. DOE requires the number of jobs created and/or retained after the activity commences to be a function of the number of hours worked on the specific activity as reported to the NSOE by the sub-grantees. The NSOE will be reporting the number of jobs created and/or retained as the field activity period for the projects continue.

The NSOE reported to DOE that 242 jobs are anticipated to be created and 175 jobs are anticipated to be retained.

| | | |
|---------------------------------|----------------------------------|----------------|
| Jobs Expected to be Created 242 | Jobs Expected to be Retained 175 | Total Jobs 417 |
|---------------------------------|----------------------------------|----------------|

Important Note: The DOE sent a letter to the NSOE recently stating that "Nevada is in a small group of states that have 100 percent of their award through the NEPA process and 75 percent or more of those funds already obligated. At this rate, Nevada is on track to exceed the program's June obligation goals and to do so well in advance of the deadline. These accomplishments are a testament to your team's strong planning and management. DOE applauds the NSOE for your success and commends your hard work."

I. STATE ENERGY PROGRAM (SEP ARRA)









The State Energy Program is a formula grant program which funds energy offices in states and territories. The base program is supplemented through the addition of an ARRA component to foster energy efficient projects in several sectors. The total SEP ARRA award to Nevada is \$34,714,000. The specific sectors and amount of actual project funding include the following:

A. State Buildings (Principal Investigator - Tara Vogel)

Overview

\$7,945,000 (including administrative costs) has been budgeted as a part of the grant award to be used to provide energy efficiency and renewable energy upgrades to existing state-owned buildings. Projects include lighting replacement to more efficient T-8 fluorescent lights and long-life light emitting diode ("LED") lights; lighting control systems that turn off lights in unoccupied rooms; energy saving window treatments; heating, ventilation and air conditioning ("HVAC") system upgrades to newer, more efficient systems; photovoltaic installations (four locations); and similar projects that are designed to save the state significant energy costs. All projects will strive to meet ARRA SEP goals of annual energy savings of at least 10 MBtu for each \$1,000 of total investment.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|----------------|--|
| 1. Cabinet members, NSHE representatives, the Legislative Counsel Bureau and the Office of Veterans who occupy and/or operate state-owned buildings will receive a request from the NSOE to identify their most inefficient buildings. | February 2010 |  |
| 2. The NSOE will evaluate the proposals in consultation with the state's utilities, State Buildings and Grounds, State Purchasing and the State Public Works Board to determine and prioritize a list of buildings and projects to include in the program. | February 2010 |  |
| 3. Following the evaluation, the NSOE will hold meetings with the applicants to discuss the priorities and to engage the public and provide them with an opportunity to comment. | February 2010 |  |
| 4. Building owners will be notified of the final decisions. | February 2010 |  |
| 5. NEPA forms (EF-1) will be submitted to the DOE for approval for each required project prior to expenditure of funds. | February 2010 |  |
| 6. Competitive bids, interagency transfers and other purchasing mechanisms will be issued to initiate the projects. | May 2010 |  |
| 7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website. | May 2010 |  |
| 8. Project will be initiated. | May 2010 |  |
| 9. Project managers will begin quarterly project reports. Building managers will be required to use EPA ENERGYSTAR Portfolio Manager to track their energy use before and after the installation of any lighting, window performance or renewable energy system. | September 2010 | |
| 10. The NSOE will conduct mid-project physical reviews. | Mid-Project | |
| 11. Upon completion of the project, NSOE will verify all metrics, milestones and energy savings. | January 2012 | |

Milestones

The projects are in the engineering/construction process including solar projects at the Legislative Building in Carson City, as well as lamp replacement projects for the Bryan Building and Legislative Garage in Carson City. Review the approved projects and their current status at: <http://www.spwb.state.nv.us/EnergyOfficeCoordination/nbsr.pdf>. The NSOE is receiving invoices for projects.

May 28, 2010: Most state buildings have awarded contractors and the Henderson DMV solar PV will be finished soon.
June 9, 2010: The DMV Henderson project was completed. The NSOE is working on the release of an RFP to accomplish an Energy Star Portfolio benchmarking tool and it will be released by next week.
July 7, 2010: Open bids on the LCB building will be released tomorrow.

Estimated Job Metrics

| | | |
|--------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 50 | Jobs Expected to be Retained 25 | Total Jobs 75 |
|--------------------------------|---------------------------------|---------------|










B. Energy Efficient Schools (Principal Investigator – Tara Vogel)

Overview

\$10,522,500 (including administrative costs) has been budgeted to provide \$441,176 to each of Nevada's 17 school districts to assist with energy efficient lighting, HVAC system energy efficiency upgrades, energy saving window treatments, lighting control systems and renewable energy installations. Larger per capita districts (Washoe and Clark Counties) have received an additional \$1 million each in funds.

Projects will strive to meet ARRA SEP goals of annual energy savings of at least 10 MBtu for each \$1,000 of total investment. The program will communicate leadership and best practices through a public education campaign and create a partnership between the NSOE, the State's K-12 schools and utilities to implement energy efficiency and renewable energy projects.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|---------------|---|
| 1. School districts will receive a request from the NSOE to identify their most inefficient buildings. | April 2010 |  |
| 2. The NSOE will evaluate the proposals, in conjunction with the state's utilities and the Nevada Department of Education, to determine and prioritize a list of buildings and projects to be retrofitted. | April 2010 |  |
| 3. The NSOE will hold meetings with the applicants to discuss the priorities and to engage the public and provide them with an opportunity to comment. | April 2010 |  |
| 4. Districts will be notified of the final decisions. | April 2010 |  |
| 5. NEPA forms (EF-1) will be submitted to DOE for approval for each required project prior to expenditure of funds. | April 2010 |  |
| 6. Competitive bids and other purchasing mechanisms will be issued to initiate the projects. | June 2010 |  |
| 7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website. | June 2010 |  |
| 8. Projects will be initiated. | July 2010 |  |
| 9. Project managers will begin quarterly project reports. Building managers will be required to use ENERGYSTAR Portfolio Manager to track their energy use before and after the installation of any lighting, window performance or renewable energy system. | November 2010 |  |
| 10. The NSOE will conduct mid-project physical reviews. | Mid-Project | |
| 11. Upon completion of the project, NSOE will verify all metrics, milestones and energy savings. | January 2012 | |

Milestones

Work has commenced on most projects since students are out of school for the summer and remodeling work can be done. An Energy Star Portfolio benchmark tool on energy savings, reporting before and after installation of RE/EE projects, is being sponsored by NV Energy for those districts that fall within their service area. This free service for schools will cover all schools except for three, who will most likely pay a small fee to consultants to track the savings.

June 2, 2010: Most schools have awarded contractors and schools now know the status of their rebate awards. Two school districts are submitting certified payroll (Washoe and Elko). The NSOE plans to conduct site inspections for the Washoe County School District at the end of June.

June 8, 2010: The NSOE requested that all schools provide their vendor information and send the RFP results. A phone conference with Clark County was conducted and they will send their bidding package after a school board review. The NSOE also sent out a redacted example of certified payroll and a statement of compliance by the State Labor Commissioner's Office that schools will need to provide.

June 28, 2010: Construction to install solar systems at 23 Washoe County schools is under way. Work has been completed at Wooster High School and Esther Bennett Elementary School, and work is expected to commence soon at Hug High School and Allen Elementary School. The solar upgrades are expected to save the district about \$322,000 a year in electric costs per year. The NSOE is starting to receive invoices for the projects.

Estimated Job Metrics







| | | |
|--------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 50 | Jobs Expected to be Retained 25 | Total Jobs 75 |
|--------------------------------|---------------------------------|---------------|

C. Energy Efficient Street Lighting & Traffic Signals (Principal Investigator – Pete Konesky)

Overview

\$1,702,500 (including administrative costs) has been budgeted to make street lighting and traffic signals more energy efficient throughout Nevada. This will allow regional transportation commissions and various Nevada communities to work in conjunction with each other to replace street lights with more energy efficient lighting and replace traffic signals with energy efficient LED lights. The lighting should not only boost energy savings, but also increase safety at intersections by increasing visibility.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|--------------|---|
| 1. The NSOE, in coordination with the Department of Transportation and Department of Public Safety, will request information from regional transportation commissions on intersections with traffic signals and/or street lights that are energy inefficient and would reduce traffic accidents if better illuminated. | April 2010 |  |
| 2. The NSOE will evaluate the lists in consultation with the Department of Public Safety and state's utilities to determine and prioritize a list of intersections and streets to be included in the program. | April 2010 |  |
| 3. The NSOE will hold a public meeting, or meetings, with the Department of Transportation and regional transportation commissions. | April 2010 |  |
| 4. The awardees will be notified of the final decisions. | June 2010 |  |
| 5. Competitive bids, interagency transfers and other purchasing mechanisms will be issued to initiate the projects. | June 2010 |  |
| 6. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website. | June 2010 |  |
| 7. Projects will be initiated. | July 2010 | |
| 8. Project managers will begin quarterly reports. | October 2010 | |
| 9. Mid-project physical reviews will be held. | Mid-Project | |
| 10. Complete projects, conduct final project verification which includes site monitoring visits (selected projects). | January 2012 | |

Milestones

Funding is \$32,000 for Carson City, \$301,240 for Clark County, \$411,600 for Henderson, \$394,800 for Las Vegas and \$358,600 for North Las Vegas. Washoe County was funded \$977,457 from the EECBG block grant that includes Reno and Sparks. The TRPA and North Las Vegas have submitted their signed copies and have been funded.

May 28, 2010: The TRPA (Lake Tahoe) has returned their \$1,760 in funding. The NSOE will reallocate it to Washoe County.

June 3, 2010: Clark County Legal had questions regarding one paragraph in the grant documentation. This is being worked on by the NSOE's DAG and the Clark County DA. Grant money was received by Carson City.

July 1, 2010: The Clark County legal question has been resolved. Henderson and Las Vegas haven't returned their signed grant documentation. The NSOE will follow up with them. If these aren't returned, the funding will be reallocated.

Estimated Job Metrics





| | | |
|-------------------------------|--------------------------------|---------------|
| Jobs Expected to be Created 9 | Jobs Expected to be Retained 3 | Total Jobs 12 |
|-------------------------------|--------------------------------|---------------|

D. Alternative Fuel Infrastructure (Principal Investigator - Pete Konesky)

Overview

\$170,250 has been budgeted to replace a fueling tank at the Nevada State Motor Pool in Las Vegas with a dual capacity tank that allows Ethanol blend fuel (E85) to be stored and dispensed into flexible fuel vehicles (currently in the state inventory). This will allow additional flexible fueled vehicles to be ordered as a future strategy aimed at reducing the use of petroleum fuels in Nevada.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|---|---------------|--|
| 1. The NSOE will request information from the State Motor Pool on the necessary actions to replace the existing gasoline tank with the divided fuel tank. | April 2010 |  |
| 2. Interagency agreements and other purchasing mechanisms will be issued to initiate the project. | April 2010 |  |
| 3. NEPA forms (EF-1) will be submitted to DOE for approval for each required project prior to expenditure of funds. | June 2010 |  |
| 4. Project will be initiated. | July 2010 |  |
| 5. Project managers will begin project quarterly reports. | November 2010 | |
| 6. Mid-project physical reviews will be held. | Mid-Project | |
| 7. Projects will be completed and project metrics will be verified by the NSOE. | January 2012 | |

Milestones

The Board of Examiners approved the contract so the program may proceed and NEPA exclusion was received. As soon as the tank arrives, installation will require only a few days. Completion is anticipated in July.

June 2, 2010: The tank is scheduled for completion on June 21 and the dispensers are supposed to ship on June 10. The remaining parts are in the vendor's warehouse or will arrive prior to the tank delivery.

July 1, 2010: The tank has arrived and the installer is awaiting a permit from the state fire marshal. As soon as the permit is in hand, the tank will be installed.

Estimated Job Metrics

| | | |
|-------------------------------|--------------------------------|--------------|
| Jobs Expected to be Created 1 | Jobs Expected to be Retained 1 | Total Jobs 2 |
|-------------------------------|--------------------------------|--------------|







E. Revolving Loan Program (Principal Investigator - Robert Nellis)

Overview

\$9,348,100 (including administrative costs) has been budgeted to provide short-term, low-cost loans to developers of renewable energy projects in Nevada. These loans will serve as a bridge financing option to provide necessary funding for various startup costs associated with these projects. Once projects reach a mature level and when the total financing is in place, the loans will be repaid.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|----------------------|-------------|----------|
|----------------------|-------------|----------|

| | | |
|--|----------------|---|
| 1. The NSOE will, in consultation with the Nevada Energy Commissioner, develop the revolving loan criteria. | February 2010 |  |
| 2. The NSOE will, in consultation with the Nevada Energy Commissioner, develop a request (or requests) for proposal for renewable energy projects that meet the loan program criteria. | February 2010 |  |
| 3. NEPA forms (EF-1) will be submitted to DOE for approval for each project prior to expenditure of funds. | April 2010 |  |
| 4. The NSOE will evaluate proposals, in consultation with the Nevada Energy Commissioner, a third-party professional qualified to conduct project due diligence and/or the USDA. | June 2010 |  |
| 5. RFP awardees will be notified of the final decisions. | June 2010 |  |
| 6. Loans will be granted. | July 2010 | |
| 7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website. | July 2010 |  |
| 8. Projects will be initiated. | July 2010 | |
| 9. Project managers will begin project quarterly reports. | September 2010 | |
| 10. Mid-project physical reviews will be conducted. | Mid-Project | |
| 11. Projects will be completed and metrics will be verified. | January 2012 | |

Milestones

An RFP to solicit applications for revolving loan funds was released and will remain open until a sufficient number of qualified renewable energy system applications are received. Projects that fall under the categorically exempt size requirements for NEPA will be given a higher priority in order to avoid the potential for lengthy delays due to environmental reviews. The NSOE plans to have loan contracts signed soon.

- June 10, 2010: The NSOE executed a contract with Nevada Title Company to perform title, escrow and voucher control services. The contract has been submitted to the BOE for approval for their July 13 agenda.
- June 15, 2010: The RFP evaluation committee independently scored and ranked all ten applications that were submitted to the NSOE for consideration. Nine of the ten applications met or exceeded the eligibility requirements to receive funding. The ranked list was submitted to the IFC.
- June 24, 2010: The IFC approved the work program to transfer funds to the Fund for Renewable Energy, Energy Efficiency and Conservation for FY11 and commit the revolving loan funds to the projects that met the eligibility requirements. The NSOE will offer loan agreements to the applicants submitted to the IFC.
- June 30, 2010: The Legislative Commission's Subcommittee to Review Regulations adopted the Revolving Loan Program regulations. Loans agreements will be presented to eligible applicants in July.

Estimated Job Metrics


| | | |
|--------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 58 | Jobs Expected to be Retained 29 | Total Jobs 87 |
|--------------------------------|---------------------------------|---------------|


F. Engineering, Feasibility, Permitting, EIS and Project Implementation (Principal Investigator – Thomas Wilczek)

Overview

\$3,675,000 (including administrative costs) has been budgeted to provide funds to perform feasibility studies and accelerate energy projects that will provide energy savings or develop renewable energy sources in Nevada.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|---|-------------|---|
| 1. The NSOE will investigate the feasibility of award mechanisms. | May 2010 |  |

| | | |
|---|----------------|--|
| 2. Grants will be awarded. | June 2010 |  |
| 3. Projects will be initiated. | July 2010 | |
| 4. Project managers will begin quarterly reports. | September 2010 | |
| 5. Mid-project physical reviews will be conducted. | Mid-Project | |
| 6. Projects will be completed and metrics verified. | January 2012 | |

Milestones

During a program review by the DOE, the NSOE was advised that all underlying projects funded under this market sector would be required to be completed within ARRA timeframes. Therefore, if an environmental assessment is funded by the NSOE on a potential transmission line project, the underlying project would need to be completed by the April 2012 termination date of the ARRA program. The NSOE has signed a contract with the nonprofit Nevada Energy Assistance Corporation ("NEAC") for an acting feasibility study clearinghouse.

June 8, 2010: The contract between the NSOE and NEAC was approved by the Board of Examiners. It is anticipated that NEAC will commence planning for the appropriate engineering studies shortly.

Estimated Job Metrics


| | | |
|--------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 36 | Jobs Expected to be Retained 18 | Total Jobs 54 |
|--------------------------------|---------------------------------|---------------|

G. Energy Related Codes (Principal Investigator – Lorayn Walser)

Overview

\$1,350,650 has been budgeted to secure the adoption of 2009 International Building Codes in cities and counties within Nevada. The International Energy Conservation Code ("IECC") is a code adopted by many state and municipal governments in the United States for the establishment of minimum design and construction requirements for energy efficiency. The funds may also be used to promote and train personnel on the codes and assist in its implementation. This project requires development of a project-specific budget that outlines all proposed activities. This is a SEP formula grant requirement that the NSOE cannot give away.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|---|---------------|---|
| 1. NSOE will sign an Inter-local Agreement with the REEEA. | March 2010 |  |
| 2. REEEA will adopt any necessary regulations. | November 2010 | |
| 3. REEEA will develop workshops to assist jurisdictions on code training and implementation of the ARRA 90 percent compliance requirement within eight years. | January 2011 | |
| 4. REEEA will develop a reporting plan for compliance verification. | March 2011 | |

Milestones

The contract has been signed and is under review from the Budget Office. The inter-local agreement was approved by the Board of Examiners on May 11. REEEA is starting the process to comply with AB 522 and SB 358.

June 30, 2010: REEEA has hired one staff person to work with the NSOE on codes adoption.

Estimated Job Metrics

| | | |
|-------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 2 | Jobs Expected to be Retained 10 | Total Jobs 12 |
|-------------------------------|---------------------------------|---------------|






ARRA GRANTS (Not SEP)

A. Appliance Rebate (ARRA) (Principal Investigator – Catherine Gowen)

Overview

The NSOE has received \$2,495,000 to be used for a State Energy Efficient Appliance Rebate Program. This program will allow Nevada residents to receive rebates when they purchase energy efficient appliances after April 17, 2010. The rebates will be available to Nevada residents who replace a used appliance with an Energy Star qualified refrigerator (\$200), freezer (\$150), washing machine (\$150) or dishwasher (\$100) from a Nevada retailer.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|---|----------------|---|
| 1. DOE will award grant to NSOE. | December 2009 |  |
| 2. NSOE will begin negotiations with retailers and issue RFQ for rebate processing company. | December 2009 |  |
| 3. NSOE will sign contracts with retailers and rebate processing company. | February 2010 |  |
| 4. NSOE will coordinate with retailers and utilities for advertising, develop the program website and promote the program. | March 2010 |  |
| 5. Program will commence. | April 17, 2010 |  |
| 6. Rebate processing company will begin paying rebates. | June 2010 | |
| 7. Rebate processing company will track program providing updates to NSOE and pay rebates until program funds are depleted. | March 2012 | |

Milestones

The State Energy Efficient Appliance Rebate Program (SEEARP) was launched on April 17. The majority of retailers in Nevada participated, providing in-kind match advertising and offering additional sales and rebates to consumers. All electric utilities in the state provided in-kind match advertising with fliers going out in every electric bill. The program received statewide media coverage including ongoing television and radio stories, all contributing to Nevada's in-kind match requirements. The program has received very few complaints, with the majority of consumers and retailers agreeing that it is a huge success.

June 9, 2010: To date, 7,382 rebates have been redeemed for a total of \$1,049,450. There are 2,460 on the waiting list. The program will close the initial reservation list on June 15 and release rebates to those on the waiting list. The first round of rebate debit cards was mailed yesterday and consumers should begin receiving their rebates in the next few days. The NSOE anticipates more than \$500,000 will be left after July 1. The NSOE is working with DOE to develop ways to spend the remaining monies including a second rebate program. Details will be forthcoming in July.

June 30, 2010: The program is now closed to new applications. A total of 7,471 reservations were redeemed; 1,999 washing machines; 2,279 dish washers; 308 freezers; and 2,885 refrigerators for a total of \$1,151,050. Rebates for waiting list participants will be processed beginning July 1. There is approximately \$1,240,000 left, so the NSOE is modifying the program to offer a second round of rebates beginning in September. It is anticipated that the same four appliances will have rebates; however, some will have higher rebates. Those people who have already purchased those appliances with increased rebates will be given the difference in a second rebate card. The NSOE is awaiting DOE approval of the program modification. The new program will be a buy/reserve program as opposed to the reserve/buy program in the first offering. Customers will be able to go to www.nevadaappliance rebate.com to see how much money is left. They will need to purchase and then reserve their rebate until there are no more funds available. The second program will continue until all monies are exhausted. The NSOE anticipates receiving DOE approval in the next 2-3 weeks. Once approval is received, an announcement of the second program, along with new rebate amounts will be heavily advertised.



NOTE: SEEARP is not required to track jobs created/retained.

B. Energy Assurance (ARRA) (Principal Investigator – Thomas Wilczek)

Overview

The NSOE was granted \$438,573 to update and implement the state's Energy Assurance Plan, which outlines the structure for monitoring and overseeing energy demand and supply. The plan provides the ability to intervene, when directed, to ensure a reliable supply of electricity, natural gas, motor vehicle fuel, propane and other heating products are available to the citizens of Nevada.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|----------------|---|
| 1. Submit Project Management Plan to DOE. | September 2009 |  |
| 2. Submit Workforce Development Plan to DOE. | October 2009 |  |
| 3. EA Plan submitted to DOE. | February 2011 | |
| 4. Final edits and submission to DOE. | July 2011 | |
| 5. Review results and report to DOE. | February 2012 | |
| 6. Review results and report to DOE. | May 2012 | |

Milestones

A detailed work plan that updates the existing plan to meet DOE requirements will be submitted by February 2011. The plan will include developing new energy use and disruption tracking systems, incorporating "smart grid" technology, including tracking systems as the technology matures and comes into use in Nevada, as well as outfitting a room capable of handling the staff and personnel required to respond to any energy contingency that may develop through the implementation of the Energy Assurance Plan.

The energy contingency center continues to be configured with visual and connective technologies which will enhance the NSOE's effectiveness in response to energy contingencies. The NSOE is evaluating the efficacy of installing specific videoconference technologies. Development of the center will continue and the NSOE will commence preparation of the process for tracking the duration, response, restoration and recovery time of energy supply disruption events.

Jun 15, 2010: NSOE personnel met with the Nevada Division of Emergency Management to coordinate planning for energy emergency response with state emergency management personnel.

June 28, 2010: Work has commenced on the development of a statewide energy disruption tracking process.

Estimated Job Metrics

| | | |
|-------------------------------|--------------------------------|--------------|
| Jobs Expected to be Created 2 | Jobs Expected to be Retained 3 | Total Jobs 5 |
|-------------------------------|--------------------------------|--------------|

III. Energy Efficiency & Conservation Block Grant (EECBG)

The NSOE was awarded this \$9,593,500 grant that was accepted by the Interim Finance Committee. The NSOE immediately commenced work on the program which included sending letters to all included cities and counties, who subsequently submitted their projects for approval. The NSOE is working with the DOE to get the projects approved and to lift funding restrictions. Sub-grants were approved in March and the DOE has given final NEPA approval to move ahead with all projects. The NSOE confirmed that all funds have been deposited with the State of Nevada.

The NSOE confirmed that the DOE had transferred the remaining \$125,000 to the Federal Treasury ASAP account on April 30. The DOE has identified June 25 as the milestone for all states to have contractually obligated grant funds to sub-recipients, and September 30, 2010 as the deadline for at least 20% of those obligated funds to have been transferred to the sub-recipients. As of June 14, 2010, \$6,305,294 (65%) has been transferred to sub-recipients for immediate utilization, a metric which DOE has indicated places Nevada in the forefront in regards to timely transfers of funds.

Estimated Job Metrics






| | | |
|--------------------------------|---------------------------------|---------------|
| Jobs Expected to be Created 34 | Jobs Expected to be Retained 61 | Total Jobs 95 |
|--------------------------------|---------------------------------|---------------|

A. Cities and Counties (Principal Investigator – Thomas Wilczek)

Overview

The ten largest counties and ten largest cities by population were awarded funding directly by the Department of Energy which may be used for energy efficiency and energy conservation projects, as well as development of renewable energy systems. \$3,724,316 was allotted to the cities and \$2,104,161 to the counties that were not directly funded by the DOE by using per capita numbers as the formula to determine the amount of funding to be allotted to each jurisdiction. These grants, independent from any NSOE grants, are reported directly to the DOE and Government Accounting Office.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|---------------|--|
| 1. Establish budgets, criteria, identify counties. | October 2009 |  |
| 2. Notify counties of eligibility, budgets, project parameters and program requirements. | January 2010 |  |
| 3. Identify projects and establish budgets. | February 2010 |  |
| 4. Complete sub-grant process, notify counties. | March 2010 |  |
| 5. Initiate projects and outreach. | June 2010 |  |
| 6. Hold mid-project reviews. | May 2011 | |
| 7. Complete projects. | January 2012 | |
| 8. Conduct verification. | January 2012 | |

Milestones

All projects have been approved by the DOE and all sub-grants have been sent to cities/counties. The DOE transferred \$8,456,799 into the ASAP escrow account and the NSOE received DOE's written approval that NEPA restrictions had been lifted on all projects.





- June 7, 2010: The NSOE has allocated a portion of the funds originally designated for Lander County to Lincoln County, increasing Lincoln County's funding from \$375,000 to \$675,000.
- June 14, 2010: The NSOE was reallocated another portion of the funds originally designated for Lander County to Mineral County, increasing their funding from \$481,989 to \$507,989 and to Storey County, increasing their funding from \$510,000 to \$535,000.
- June 24, 2010: The NSOE met with officials representing the following grant recipients June 21-23: City of Wells, City of Carlin, City of West Wendover, City of Ely and Eureka County.
- July 2, 2010: The NSOE met with City of Lovelock officials in order to address grant requirements.

B. Nevada Emergency Vehicle Idle Reduction (Principal Investigator – Pete Konesky)

Overview

\$775,809 has been allocated for approximately 200 devices that will allow emergency personnel to shut off their engines and provide up to four hours of power for operation of computers, radios, light bars and other equipment in their vehicles. Requests for vehicle monitoring (3 years) and heating systems to be incorporated into the system will reduce the number of devices that will be ordered. The resulting system will be more operator-friendly and more apt to be used for longer periods of time, and the reporting system will have concrete data for energy savings and greenhouse gas reductions.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|---------------|---|
| 1. Request information. | January 2010 |  |
| 2. Notify departments/agencies of eligibility, budgets, project parameters and program requirements. | January 2010 |  |
| 3. Identify projects and establish budgets. Contact DOE for project approval. | February 2010 |  |
| 4. Initiate projects and outreach. | June 2010 |  |
| 5. Hold mid-project reviews. | January 2012 | |
| 6. Complete projects. | January 2012 | |
| 7. Conduct verification. | January 2012 | |

Milestones

The DOE approved the sub-grants and gave verbal NEPA approval. Sub-grants were issued to the Washoe County Sheriff, Henderson PD, Las Vegas Metro PD and the NHP for \$178,200 each. The NHP signed and returned their sub grant award for their 50 unit allotment and Henderson has reduced their units from 40 to 10, so that grant will need to be revised to approximately \$36,900. The contract between Nevada and the selected bidder, Energy Xtreme, was finalized, and sub-grantees can commence purchasing units under this contract starting on June 1.


- May 25, 2010: The City of Henderson noticed the NSOE that it was willing to accept \$50,000 of the \$178,200 allotted to them for purchase of the units. The NSOE reallocated the remaining \$128,200 to NHP for installation of the units into additional emergency response vehicles deployed throughout the state.
- June 1, 2010: The contract with Energy Xtreme is now in effect.
- June 24, 2010: Signed contracts were received from Washoe County Sheriff and the City of Henderson; all law enforcement grantees are now under contract and the funds have been obligated.

C. Natural Gas & Electricity Monitoring for State Owned Buildings (Principal Investigator – Thomas Wilczek)

Overview

This \$221,720 program will provide for the acquisition of services for the monitoring of energy consumption within state buildings. The total subcontract amount will be \$203,908 and the subcontractor will monitor all state-owned buildings, establish baselines, report on results, review utility bills for errors and negotiate rebates on behalf of the NSOE.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|------------------------------|--------------|---|
| 1. Initiate monitoring. | June 2010 |  |
| 2. Hold mid-project reviews. | January 2012 | |
| 3. Complete projects. | January 2012 | |
| 4. Conduct verification. | January 2012 | |

Milestones

The NSOE received approval from the DOE and met with State Buildings & Grounds. DOE has approved LPB Energy Management as the provider of these services and the state has an existing "Good of the State" contract with LPB. The BOE has approved the project and \$203,908 was transferred via an Inter-local Agreement to B&G.

- May 13, 2010: B&G has initiated the data capture process with NV Energy and SWG. Historical energy bills have been obtained and electronically captured for approximately 80% of the B&G properties.





May 25, 2010: B&G reported that savings to the state have already been realized, with LPB reporting that under some circumstances the previous utility rate schedule assessed by the utility was incorrect. The error was subsequently corrected.

D. Traffic Signals and Street Lighting (Principal Investigator – Thomas Wilczek)

Overview

This project will provide \$1,477,457 in funding to install street lighting and traffic signals in Nevada cities and counties that did not receive direct funding from the federal DOE block grant program.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|---------------|---|
| 1. Establish budgets, criteria, identify cities and counties. | February 2010 |  |
| 2. Notify appropriate entities of eligibility, budgets, project parameters & program requirements. | February 2010 |  |
| 3. Identify projects and establish budgets. | February 2010 |  |
| 4. Complete sub-grant process. | March 2010 |  |
| 5. Initiate projects and outreach. | June 2010 | |
| 6. Hold mid-project reviews. | January 2011 | |
| 7. Complete projects and conduct verification. | January 2012 | |

Milestones

All projects have been approved: Fallon \$275,000, Ely \$100,000, Lyon County \$125,000, and Washoe County \$977,457. Funds for Lyon County, Fallon and Ely have been transferred. Upon receipt of the agreements, the NSOE will transfer the remaining funds allocated under this subprogram.

May 18, 2010: NSOE representatives met with Lyon County officials to discuss the status of their program.

June 9, 2010: NSOE representatives met with Fallon officials to discuss the status of their program.

June 22, 2010: NSOE representatives met with Ely officials to discuss the status of their program.

June 28, 2010: The Washoe County RTC signed and returned their sub-grant agreement.



All projects funded by all ARRA grants are considered to be federally funded and, with the exception of the Appliance Rebate program, are required to meet all federally required National Environmental Policy Act restrictions, Davis-Bacon Act provisions on wages, and Buy American provisions of the ARRA. Wherever appropriate, projects may also be required to comply with Historical Preservation provisions.




IV. Additional Non-ARRA Programs

A. Multi-Agency Statewide Renewable Energy RFP

The NSOE has drafted a Request for Proposal to develop solar systems on multiple state agency sites for the purpose of substantially offsetting the amount state agencies pay for electrical power. This RFP will be soliciting 100% private sector investment in solar facilities at no cost to state agencies. The NSOE plans to publish the RFP in June and receive final approval on the signed contracts by the end of 2010 so that construction may be well underway in 8-12 months.

Timeline

| IMPLEMENTATION STEPS | TARGET DATE | COMPLETE |
|--|-------------|---|
| 1. NSOE invites state agencies and the Nevada System of Higher Education to participate in an RFP. | May 2010 |  |
| 2. Agencies approve of sites to be included in the RFP and submit each site's electrical usage data, rates being paid, and number of meters. | June 2010 |  |

| | | |
|---|---------------|---|
| 3. Agencies meet for a pre-RFP conference with Purchasing and NSOE to answer agency questions and provide comments on RFP. | June 2010 |  |
| 4. Governor's Office issues press release on RFP. Potential pre-bidder conference hosted by Purchasing and NSOE for developers to provide comments on proposed RFP. | June 2010 |  |
| 5. Pre-bidders conference hosted by State Purchasing and the NSOE for developers to provide comments on RFP. | June 2010 |  |
| 6. RFP released. | July 2010 | |
| 7. Site tours conducted. | July 2010 | |
| 8. Deadline for submission and opening of RFP respondent's bids. | August 2010 | |
| 9. Contractor selected by evaluation committee made up of participating state agencies. LOI award issued. | August 2010 | |
| 10. Final negotiations and signatures on contracts, PPA's and leases for the first sites to be constructed. | Sept 2010 | |
| 11. Contracts submitted to Budget Office for BOE approval and leases submitted for IFC for approval. | October 2010 | |
| 12. BOE meeting. | November 2010 | |
| 13. Groundbreaking ceremonies. | December 2010 | |
| 14. Construction begins. | January 2011 | |

Milestones

The result of the RFP will be a good of the state contract with the selected contractor. This contract will allow individual agencies to negotiate agency specific contracts containing site specific terms required by the agencies with the exception of the price per kWh per site which will be proposed by the contractor in their response to the RFP. The intent of the RFP is to allow for other state agencies, colleges, schools, and other public entities to join onto the contract even if they do not have sites that were submitted as part of the RFP.

- June 17, 2010: Over a dozen agencies, including the Nevada System of Higher Education, have submitted their site selections to be included as part of the RFP. The NSOE is reviewing the data submitted, which includes more than 35 sites, in preparation for the pre-bidders conference on June 22 in Carson City at the Capitol Annex. Nevada State Purchasing has sent notice of the conference to potential bidders.
- June 22, 2010: Over 40 people representing 25 companies attended the pre-bidders conference where potential bidders were given the opportunity to provide comments to the Purchasing Division and the NSOE on how to best develop the RFP. Over 40 sites are now proposed to be included in the RFP.
- July 1, 2010: The NSOE is working with the Nevada Division of State Lands, the Division of Buildings and Grounds, the State Public Works Board, and State Purchasing to collect all of the necessary site specific information to include in the RFP, which is anticipated for release by mid-July

V. Funding Opportunities

The NSOE continues to work with stakeholders throughout Nevada, as well as nationally, and with various government and philanthropy entities, to identify and pursue additional funding opportunities related to energy efficiency and renewable energy in Nevada.

A. SEP Strengthening Building Retrofit Markets

The NSOE is seeking funding from the Department of Energy, National Energy Technology Laboratory under DE-FOA-0000251; State Energy Program (SEP) Strengthening Building Retrofit Markets and Stimulating Energy Efficiency Action. The purpose of the grant is to advance policies, programs and market strategies that accelerate job creation and reduce energy bills while achieving energy and climate security for the nation.

- May 12, 2010: The NSOE is preparing two applications for this funding opportunity (DE-FOA-0000251, Area of Interest 1; Strengthening Building Retrofit Markets). The first application is a multi-state application in conjunction with the National Association of State Energy Officials (NASEO) requesting funding to develop infrastructure in support of a performance-based contracting model aimed at building retrofits

for various state-owned and public buildings. The second is an in-state application requesting funding to develop a cradle-to-grave method of whole building retrofits in specific urban residential markets. This model will include performance benchmarking, Home Performance with Energy Star (HPwES), financing mechanisms and a supporting training program with a goal of retrofitting at least 2% of the target market beginning in 2013. Both applications are due May 24.

June 9, 2010: The NSOE submitted the multi-state application on June 3 and the HPwES application on June 5. DOE anticipates making awards in September. The NSOE is developing a specific webpage to provide information on the grant applications and provide updated details as the award deadline approaches.

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